

I hereby certify that this correspondence is being deposited in the U.S. Postal Service with sufficient postage as First Class Mail, in a letterbox addressed to: MS Amendment, Commissioner for Patents, P.O. Box 22313-1450, on the date shown below.

Dated: 2/10/06 Signature: K/Busache
(Kathleen Busache)

Docket No.: CTCH-P01-016
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Baltimore et al.

Application No.: 10/656531

Confirmation No.: 8769

Filed: September 5, 2003

Art Unit: 1652

For: USE OF CHIMERIC NUCLEASES TO
STIMULATE GENE TARGETING

Examiner: Charles L. Patterson, Jr.

02/15/2006 SHASSEN1 00000073 181945 10656531

01 FC:1806 180.00 DA

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Deposit Account No. 18-1945 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. CTCH-P01-016. A duplicate copy of this paper is enclosed.

Dated: February 10, 2006

Respectfully submitted,

By 

John D. Quisel

Registration No.: 47,874

ROPES & GRAY LLP

One International Place

Boston, Massachusetts 02110-2624

(617) 951-7000

(617) 951-7050 (Fax)

Attorneys/Agents For Applicant



PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL For FY 2006		Complete if Known		
		Application Number	10/656,531	
Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Filing Date	September 5, 2003	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		First Named Inventor	David Baltimore	
		Examiner Name	Charles L. Patterson, Jr.	
TOTAL AMOUNT OF PAYMENT (\$)		180.00	Art Unit	1652
		Attorney Docket No.	CTCH-P01-016	

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 18-1945 Deposit Account Name: Ropes & Gray LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
		x	=

Multiple Dependent Claims	
Fee (\$)	Fee Paid (\$)

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
		x	=

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
	- 100 =	/50 (round up to a whole number) x	=	

4. OTHER FEE(S)

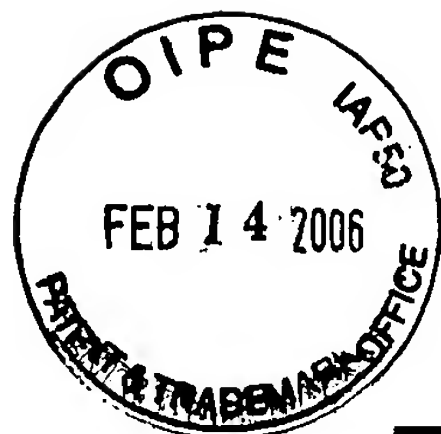
Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement 180.00

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	47,874 Telephone (617) 951-7685
Name (Print/Type)	John D. Quisel	Date: February 10, 2006	

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 2/10/06 Signature: K. Bastarache (Kathleen Bastarache)



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/656531
				Filing Date	September 5, 2003
				First Named Inventor	David Baltimore
				Art Unit	1652
				Examiner Name	Charles L. Patterson Jr.
Sheet	1	of	2	Attorney Docket Number	CTCH-P01-016

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AV	US-5,789,155	08-04-1998	Dervan, P. et al.	
	AW	US-5,945,577	08-31-1999	Stice et al.	
	AX	US-5,955,341	09-21-1999	Kang et al.	
	AY	US-6,077,710	06-20-2000	Susko-Parrish et al.	
	AZ	US-6,140,081	10-31-2000	Barbas	
	A1	US-6,147,276	11-14-2000	Campbell et al.	
	A2	US-6,326,166	12-04-2001	Pomerantz et al.	
	A3	US-6,331,658	12-18-2001	Cooper et al.	
	A4	US-20020152488-A1	10-17-2002	Cooper et al.	
	A5	US-20030131365-A1	07-10-2003	Cooper et al.	
	A6	US-2004/0019002	01-29-2004	Chouluka et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BH	WO-95/09233	04-06-2005	Univ. Johns Hopkins		
	BI	WO-97/47758	12-18-1997	MIT et al.		
	BJ	WO-00/09755	02-24-2000	Pangene Corporation		
	BK	WO-00/28008	05-18-2000	Maygen Inc. et al.		
	BL	WO-00/42219	07-20-2000	Sangamo Biosciences, Inc. et al.		
	BM	WO-00/63365	10-26-2000	Pangene Corp. et al.		
	BN	WO-01/05961	01-25-2001	Clontech Lab Inc.		
	BO	WO-01/66717	09-13-2001	Univ. Utah et al.		
	BP	WO-01/19981	03-22-2001	Sangamo Biosciences, Inc. et al.		
	BQ	WO-01/40798	06-07-2001	Sangamo Biosciences, Inc. et al.		
	BR	WO-02/04488	01-17-2002	Sangamo Biosciences, Inc. et al.		
	BS	EP-0 957 165	11-17-1999	Roche Diagnostics, GMBH		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CT2	Abremski et al. JBC 259:1509-1514 (1984)	
	CT3	Akopian et al. Proc. Natl. Acad. Sci. USA 100:8688-8691 (2003)	
Examiner Signature			Date Considered

Substitute for form 1449A/B/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/656531
				Filing Date	September 5, 2003
				First Named Inventor	David Baltimore
				Art Unit	1652
				Examiner Name	Charles L. Patterson Jr.
Sheet	2	of	2	Attorney Docket Number	CTCH-P01-016

	CT4	Baubonis et al. Science 300:764 (2003)	
	CT5	Beeril et al. Nat. Biotech. 20:135-141 (2000)	
	CT6	Bibikova et al. Science 300:764 (2003)	
	CT7	Brisson et al. Nature 310:511-514 (1984)	
	CT8	Broglie et al. Science 224:838-843 (1984)	
	CT9	Campbell et al. Nature 380:64-66 (1996)	
	CT10	Capecchi et al. Science 244:1288-1292 (1989)	
	CT11	Coruzzi et al. EMBO J. 3:1671-1679 (1984)	
	CT12	Evans et al. Nature 292:154-156 (1981)	
	CT13	Ferguson-Smith, Science 293:1086-1089 (2001)	
	CT14	Gowda et al. J. Cell. Biochem. 13D:301 (1989)	
	CT15	Gu et al. Cell 73:1155-1164 (1993)	
	CT16	Gu et al. Science 265:103-106 (1994)	
	CT17	Gurley et al. Mol. Cell Biol. 6:559-565 (1986)	
	CT18	Hanson et al. Mol. Cell Biol. 15:45-51 (1995)	
	CT19	Jallepalli et al. Cell 105:445-457 (2001)	
	CT20	Jaenisch, Science 240: 1468-1474 (1998)	
	CT21	Jasin, Trends Genet. 12:224-228 (1996)	
	CT22	Jeggo et al. Radiation Research 150:S80-S91 (1998)	
	CT23	Klein et al. Biotechnology 10:286-291 (1992)	
	CT24	Klein et al. Nature 327:70-73 (1987)	
	CT25	Kuehn et al. Nature 326:295-298 (1987)	
	CT26	Lai et al. Science 295:1089-1092 (2002)	
	CT27	McCreath et al. Nature 405:1066-1069 (2000)	
	CT28	Odell et al. Nature 313:810-812 (1985)	
	CT29	Porteus et al. Mol. Cell Biol. 23:3558-3565 (2003)	
	CT30	Puchta et al. Nucleic Acids Res. 21:5034-5040 (1993)	
	CT31	Rideout et al. Science 293:1093-1098 (2001)	
	CT32	Sanford et al. Technique-A Journal of Meth. in Cell and Mol. Biol. 3:3-16 (1991)	
	CT33	Schnieke et al. Science 278:2130-2133 (1997)	
	CT34	Sedivy et al. Proc. Natl. Acad. Sci. USA 86:227-231 (1989)	
	CT35	Segal et al. Methods 26:76-83 (2002)	
	CT36	Severin et al. Plant Mol. Biol. 15:827-833 (1990)	
	CT37	Shin et al. Nature 415:859 (2002)	
	CT38	Shillito et al. Plant Mol. Biol. - A Practical Approach, pp. 161-186 (C.H. Shaw, Ed. IRL Press) (1988)	
	CT39	Sternberg et al. J. Mol. Biol. 150:487-507 (1981)	
	CT40	Takamatsu et al. EMBO J. 6:307-311 (1987)	
	CT41	Thierry et al. Nucleic Acids Res. 19:189-190 (1991)	
	CT42	Velten et al. EMBO J. 3:2723-2730 (1984)	
	CT43	Wilmot et al. Nature 385:810-813 (1997)	
	CT44	Wilson et al. Nat. Biotech. 21:759-760 (2003)	
	CT45	Kim et al. Proc. Natl. Acad. Sci. 94: 12875-12879 (1997)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--